MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

JANUARY, 1944

J. A. BROWN, DIRECTOR

QC
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M6
1944
(Jan.-June)

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APR 6 1944
WEATHER BUREAU

JANUARY 1944

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	60.6	57.7	58.3	58.9	22 8	15.6	15.6	21.2	19.4	18.7
2	1.3	60.7	61.8	61.3	20.8	14.4	18.3	19.4	16.5	18.1
3	3.0	1.3	0.4	1.6	19.2	15.3	16.2	17.6	16.0	16.6
4	54.8	56.4	58.0	56.4	21.0	11.8	17.8	16.2	13.6	15.9
5	61.6	62.3	64.4	62.8	18.2	12.8	16.7	16.4	13.9	15.7
6	67.0	66.3	66.7	66.7	18.7	13.4	15.1	18.0	15.5	16.2
7	5.6	3.3	1.9	3.6	19.1	12.9	15.5	18.4	15.0	16.2
8	59.5	58.0	59.1	58.9	18.0	10.7	16.0	14.2	11.3	13.8
9	60.2	62.6	65.0	62.6	16.4	10.8	13.8	15.6	13.4	14.3
10	7.8	7.2	7.9	7.6	16.6	12.3	13.0	16.2	13.3	14.2
11	67.8	66.3	66.7	66.9	17.7	12.3	14.2	16.7	13 6	14.8
12	4.9	4.1	2.0	3.7	18.7	11.2	13.4	16.8	13.8	14.7
13	1.9	0.2	59.9	0.7	15.5	11.1	11.5	14.6	13.8	13.3
14	58.1	55.1	7.0	56.7	16.1	7.3	13.1	14.8	9.3	12.4
15	64.1	64.3	66.5	65.0	9.9	7.3	7.4	9.1	8.9	8.5
16	67.0	65.8	65.4	66.1	12.4	8.5	8.6	11.9	9.5	10.0
17	3.5	2.3	3.2	3.0	16.0	11.7	12.2	14.9	12.6	13.2
18	2.5	59.9	59.9	0.8	16.9	8.3	15.3	15.9	13.6	14.9
19	59.5	8.5	9.6	59.2	12.5	9.1	11.4	11.2	10.6	11.1
20	61.2	60.1	61.3	0.9	10.6	7.9	9.8	9.8	8.9	9.5
21	59.2	57.7	62.0	59.6	13.2	7.9	10.2	11.2	10.0	10.5
22	66.6	66.5	8.1	67.1	13.7	9.3	10.1	12.7	10.4	11.1
23	7.8	5.4	5.5	6.2	14.9	10.3	12.2	14.0	11.5	12.6
24	4.0	3.5	5.3	4.3	15.6	9.4	13.8	14.9	9.7	12.8
25	6.5	5.5	6.5	6.2	16.7	11.4	11.7	15.6	12.8	13.4
26	66.9	66.7	66.9	66.8	14.8	11.2	12.7	14.3	14.2	13.7
27	6.4	5.0	4.2	5.2	17.9	12.2	14.0	16.8	13.1	14.6
28	2.8	1.0	1.1	1.6	18.2	12.2	14.7	16.7	14.1	15.2
29	58.2	55.4	55.1	56.2	17.0	9.9	13.9	13.8	11.4	13.0
30	2.7	3.4	6.6	4.2	12 6	7.1	12.2	8.4	12.1	10.9
31	62.4	62.3	63.9	62.9	13.7	9.0	11.7	13 1	11.5	12.1
	62.75	61.76	62.58	62.37	16.30	10.79	13.29	14.85	12.68	13.61

Barometer, range for month 768.1 — 752.7 mm.
„ 62-yr. average for month 763.36 mm.
Thermometer, range for month 22.8° C — 7.1° C.
„ 62-yr. average for month 13.72 C.
Rain, total for month 222.00 mm.
„ , 62-yr. average for month 183.90 mm.
„ , total, from Sept. 1st. 489.46 mm.
62-yr. average, total from Sept. 1st. 370.33 mm.

JANUARY 1944

METEOROLOGICAL REGISTER

Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	9.7	11.1	10.6	10.5	74	59	63	65	3.9	204.8	0.51
2	13.0	12.8	12.0	12.6	83	76	86	82	4.8	176.0	
3	11.1	12.4	10.4	11.3	80	82	78	80	6.2	232.0	
4	11.7	10.3	9.1	10.4	77	75	78	77	0.0	896.0	14.99
5	9.1	10.3	11.3	10.2	64	75	95	78	3.3	656.0	9.65
6	10.2	11.6	10.8	10.9	80	75	84	80	9.0	288.0	3.05
7	9.5	11.2	8.4	9.7	72	72	67	70	9.3	232.0	
8	8.6	8.9	9.8	9.1	64	74	97	78	2.2	912.0	10.67
9	9.1	7.9	7.3	8.1	77	60	63	67	5.1	528.0	31.24
10	7.7	9.3	8.6	8.5	69	68	75	71	3.8	440.0	
11	8.2	9.4	8.7	8.8	69	67	75	70	6.9	360.0	
12	7.6	9.5	8.8	8.6	67	67	75	70	0.5	264.0	
13	9.8	9.2	9.9	9.6	95	75	84	85	0.0	656.0	28.19
14	9.4	8.9	6.8	8.4	83	71	77	77	0.1	992.0	26.67
15	4.9	5.5	5.2	5.2	64	64	61	63	3.8	528.0	
16	6.0	7.4	6.7	6.7	73	71	75	73	5.6	224.0	
17	5.8	7.3	6.2	6.4	55	57	58	57	7.6	246.4	
18	8.6	7.8	7.3	7.9	67	58	63	63	4.3	617.6	
19	6.5	8.6	8.5	7.9	65	86	89	80	0.0	1016.0	18.29
20	7.6	7.9	7.9	7.8	85	88	93	89	0.0	563.2	43.69
21	8.3	7.5	8.0	7.9	90	75	88	84	0.0	928.0	8.38
22	7.4	7.7	6.7	7.3	80	71	71	74	9.4	208.0	0.76
23	6.6	7.1	6.6	6.8	62	60	65	62	6.6	336.0	
24	6.9	7.8	8.6	7.8	59	61	96	72	5.5	244.8	3.81
25	7.6	8.8	7.7	8.0	75	67	70	71	7.6	432.0	
26	7.8	8.5	8.2	8.2	72	70	69	70	0.6	524.8	1.52
27	8.6	8.4	9.3	8.8	72	59	82	71	9.8	344.0	
28	7.9	9.5	7.1	8.2	64	67	59	63	9.9	192.0	
29	8.5	9.5	8.3	8.8	72	80	83	78	2.6	1024.0	3.05
30	8.5	7.4	5.9	7.3	81	90	57	76	0.0	840.0	16.51
31	6.4	7.0	6.9	6.8	63	62	68	64	5.5	315.2	1.02
	8.34	8.91	8.30	8.53	72.6	70.3	75.6	72.9	4.31	497.44	7.16

Height of Barometer above sea level: 33.7 meters.
" " Thermometers above ground:
Dry and wet 1.55 m.: Max. 1.75 m.: Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G.C.T.
62 year averages are for period, 1875-1936

JANUARY 1944

METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	6cu	5ci	8cu	6.3	1e	1sw	1sw	slight	
2	10cu	1cu	1cu	4.0	1sw	1sw	0	„	
3	0	0	6cu	2.0	1sw	1n	0	mod.	
4	10cu	10cu-ni	10cu	10.0	0	3sw	1sw	rough	G., T, & snow
5	7cu	3cu-ni	9ni	6.3	3sw	2sw	1sw	„	shower at night
6	2cu	2cu	2cu	2.0	1sw	1sw	1sw	mod.	
7	0	0	0	0.0	0	1nw	1nw	slight	
8	0	9ni	10ni	6.3	2se	3sw	3sw	mod.	G. force at 11 a.m.
9	7ni	5cu	7cu	6.3	2sw	2nw	2nw	rough	
10	1cu	10cu	9cu	6.7	1w	1sw	1se	mod.	
11	8cu	1cu	1cu	3.3	1sw	2sw	1sw	slight	
12	10cu	10cu	3cu	7.7	1sw	1n	0	„	
13	10ni	10ni	10ni	10.0	0	1sw	2sw	mod.	W & T at night
14	10ni	10ni	2ni	7.3	2sw	5sw	5sw	rough	G. at 4 p.m.
15	10cu-ni	3cu	9cu	7.3	3sw	3w	1w	„	
16	10cu	9ci-cu	1ci	6.7	1sw	0	0	slight	
17	0	3ci	1ci	1.3	2sw	0	1sw	„	
18	10cu	10cu	0	6.7	0	2sw	1sw	„	H. a.m. & G. at night
19	9ni	10ni	9ni	9.3	3sw	2sw	2sw	rough	G. at night
20	10ni	10ni	1ni	7.0	2sw	1sw	0	„	
21	10ni	10ni	1cu	7.0	2sw	2sw	3nw	rough	
22	1cu	0	1cu	0.7	0	0	1nw	mod.	
23	9cu	1cu	2cu	4.0	1se	1nw	0	slight	
24	8cu	3cu	1cu	4.0	1sw	1sw	0	„	
25	1cu	8cu	1cu	3.3	1sw	2sw	1sw	„	
26	10ni	10cu	10cu	10.0	2sw	2sw	1sw	slight	
27	1cu	1cu	0	0.7	1sw	1sw	0	„	
28	0	0	0	0.0	0	1nw	0	„	
29	4cu	10cu-ni	3ni	5.7	0	4sw	2sw	mod.	Sudden G. at 2 p. m.
30	10ni	10ni	9cu-ni	9.7	1sw	3sw	4w	rough	
31	8cu-ni	8cu	8cu	8.0	2sw	2sw	0	„	Tr. p.m.
				5.47					

* Abbreviations :— G = gale; H = haze; M = mist; T = thunderstorm; D = dew. W = strong wind.

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	0	0	1	2	0	20	1	0	7	31
14:30	2	0	0	0	0	21	1	4	3	31
20:30	0	0	0	1	0	14	2	4	10	31
Totals	2	0	1	3	0	55	4	8	20	93

Number of days with rain 17, fog 0, thunderstorms 2, gale 6.

62 yr. av. days with rain during month 15.3 days